

# NA-320FL

Fanless Desktop Network Appliance  
Platform with Intel® Atom™ Processor  
D510 and 6 LANs



▲ Front view



▲ Rear view

## Specifications

System	
CPU	Intel® Atom™ processor D510 1.66 GHz with 1M/512K L2 cache
Chipset	Intel® ICH8M
Memory	1 x DDR2-667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC) (wide temperature support is available upon request)
BIOS	AMI 16Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD (wide temperature support is available upon request)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CompactFlash™ type II (wide temperature support is available upon request)
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6

## Mechanical/ Environmental

Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 153.5 mm (6.04") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

## Introduction

The NA-320FL is a compact fanless network hardware platform for VPN, Firewall, UTM and other network applications. It supports low power Intel® Atom™ processor D510 1.66 GHz with Intel® ICH8M PCH and features a 1U desktop form factor. The system supports up to a maximum of 2 GB of DDR2-667 memory. In addition, the NA-320FL features one internal 2.5" HDD for storing event log and a Mini card for wireless card installation. The NA-320FL supports LAN bypass function through WDT and GPIO pin definitions to prevent sudden shutdown.

## Ordering Information

### Standard

NA-320FL-D6GI-1.66G Compact fanless network appliance with Intel® (P/N: E26E320104) Atom™ processor D510 1.66 GHz and 6 GbE LAN ports (Intel® 82583V)

### Optional

CK9A104 Cable kit (P/N: 8816E320010E)  
59416112100E Cable DB9 (M) - RJ-45, L: 1.5M straight cable

\* Specifications and certifications are based on options and may vary.  
\*\* Recommend ordering optional cable kit with first order.

## Packing List

1 x DC power adapter 12V/5A  
1 x SATA Cable  
1 x utility CD (user's manual and driver)  
1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

## Dimensions

